

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_111121
Title of the Manuscript:	Analysis of field data using Microsoft excel and MATLAB software to evaluate reservoir and well damage
Type of the Article	Research Article

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>YES</p> <ol style="list-style-type: none"> The abstract lacks clarity in presenting the specific techniques employed for the analysis of pressure build-up time data, causing ambiguity in the methodology. The comparison between the results obtained from the numerical well test simulator Mat-Lab and the analytical solutions using Microsoft Excel need to discuss in detail. Negative skin values is used to indicate that the formation is not damaged. This requires further clarification, as negative skin values are not conventionally associated with undamaged formations. A more detailed explanation or reference to the methodology used for interpreting skin values is necessary. Well 20A is not a candidate for workover operations" seems premature and provide sufficient justification. Author need to explain the specific challenges faced in the field related to reservoir formation damage to highlight the broader importance of the study. In the discussion part author presented the negative skin factor is an evidence against the need for workover jobs, the discussion does not delve into the uncertainties associated with skin factor estimation, and the reliance on negative skin values requires further validation and justification <p>The title is clear and straightforward, conveying the main focus of the article. However, it's still relatively brief and lacks some context that could make it more engaging and informative like</p> <ol style="list-style-type: none"> Integrated Reservoir and Well Damage Assessment through Microsoft Excel and MATLAB-Based Field Data Analysis (or) Quantifying Reservoir and Well Integrity: A Comprehensive Analysis of Field Data through Microsoft Excel and MATLAB Tools (or) Multifaceted Evaluation of Reservoir and Well Damage: Field Data Analysis Utilizing Microsoft Excel and MATLAB Techniques <p>YES</p> <p>YES</p> <p>YES</p> <p>Some statements could be strengthened with specific data or references to scientific studies in this article</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>YES it is up to the mark</p>	

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Optional/General comments	Maintain uniform utilization of petroleum engineering scientific jargon and technical terminology comprehensible to the intended audience. This ensures enhanced comprehension of the practical application of these concepts by the readers	
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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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